EAST Search History

L19	53	"381"/$.ccls. and vehicle and bending	USPAT	OR	OFF	2006/02/20 09:35
L20	16	"381"/$.ccls. and vehicle and bending near5 (resonat$3 panel wave vibrat$3 diaphragm)	USPAT	OR	OFF	2006/02/20 09:44
L21	1	("20050152564").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 09:44
L22	3	("4472604" | "4477699" | "6411723").PN. OR ("6687381").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 09:53
L23	71	("1273549" | "1500331" | "1768473" | "1778084" | "2063945" | "2716462" | "2815823" | "2863520" | "2956538" | "3111187" | "3247925" | "3347335" | "3578921" | "3603427" | "3767005" | "3829623" | "3848090" | "4013846" | "4190746" | "4198550" | "4225757" | "4252211" | "4272653" | "4291205" | "4300655" | "4322583" | "4323737" | "4352961" | "4379952" | "4385210" | "4426556" | "4514599" | "4517416" | "4550228" | "4675907" | "4783824" | "4899390" | "4997058" | "5025474" | "5073946" | "5102729" | "5231672" | "5594804" | "6031926" | "6144746" | "6169809" | "6181799" | "6188775" | "6192136" | "6198831" | "6201878" | "6215881" | "D415764" | "D416907" | "D420005").PN. OR ("6411723").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 09:54
S1	2	"9834320"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/10 13:49
S2	670	("381"/$).ccls. and (azima colloms buos roberts bank morecroft owen).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 19:10
S3	117	(("381"/$).ccls. and (azima colloms buos roberts bank morecroft owen).in. and magnet	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 19:10
S4	149	("381"/$).ccls. and (azima colloms buos roberts bank morecroft owen).in. and (magnet motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/09/11 20:46

EAST Search History

S5	15	("3430007" | "3801943" | "4256930" | "4359133" | "4384174" | "4465905" | "4506117" | "4514599" | "4465550" | "4720868" | "4914750" | "4926486" | "6192136" | "6208237" | "6332029").PN.	USPAT	OR	ON	2003/09/11 20:33
S6	5	(("3430007") or ("6618487") or ("4926486") or ("4514599") or ("4384174")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/11 21:10
S7	1	("6192136").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/11 22:40
S8	3	("3111187" | "3651283" | "4506117").PN.	USPAT	OR	ON	2003/09/11 21:11
S9	2	(("4506117") or ("4514599")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/11 22:41
S10	249	(381/152).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/11 22:57
S11	2	(("6516071") or ("6574347")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/11 22:57
S12	27	((381/313,355,356,357,358).CCLS.) and $5directional.and ("ite", "in-the-ear", "in the ear")	US-PGPUB; USPAT	OR	ON	2003/09/12 20:30
S13	11	etymotic.asn. and directional	US-PGPUB; USPAT	OR	ON	2003/09/12 20:17
S14	39	etymotic.asn.	US-PGPUB; USPAT	OR	ON	2003/09/12 20:25
S15	95	"381"/$.ccls. and $5directional and ("ite", "in-the-ear", "in the ear")	US-PGPUB; USPAT	OR	ON	2003/09/12 20:45
S16	2	(("5008943") or ("5201008")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/12 20:45
S17	603	(381/313,355,356,357,358).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/12 21:40

EAST Search History

Ref #	Hits	Search Query	Databases	Operator	Plurals	Time Stamp
S18	1	("20020006211").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/12 21:45
S19	0	("microphonecartridge").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/12 21:45
S20	111	"microphone cartridge"	US-PGPUB; USPAT	OR	ON	2003/09/12 21:45
S21	29	"microphone cartridge" same (port inlet hole passage)	US-PGPUB; USPAT	OR	ON	2003/09/12 21:48
S22	8	"3577020"	US-PGPUB; USPAT	OR	ON	2003/09/12 21:50
S23	25	"3770911"	US-PGPUB; USPAT	OR	ON	2003/09/12 21:50
S24	2	(("3577020") or ("3770911")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/12 22:17
S26	18	(buos colloms azima).in. and (inertia$1).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/08 13:42
S27	339	(buos colloms azima).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/08 13:43
S28	142	(buos colloms azima).in.	US-PGPUB; USPAT	OR	ON	2006/02/08 13:58
S29	155	"381"/$.CCLS. AND "bending wave"	US-PGPUB; USPAT	OR	ON	2006/02/08 13:58
S30	76	S29 not S28	US-PGPUB; USPAT	OR	OFF	2006/02/08 14:04
S31	2	"6519349"	US-PGPUB; USPAT	OR	OFF	2006/02/08 14:04

EAST Search History

S32	3	(("6519349") or ("6622817") or ("6519347")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/08 14:04
S33	722	"bending wave"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/10 17:12
S34	279	"bending wave" and (removable detachable disconnect engage$4 separate unscrew)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/10 15:19
S35	2	(("20040195039") or ("20030147541")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/10 15:16
S36	0	("2004/0195039").URPN.	USPAT	OR	OFF	2006/02/10 15:14
S37	1	("2003/0147541").URPN.	USPAT	OR	OFF	2006/02/10 15:15
S38	444	(381/431,426).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/10 15:17
S39	175	S33 not S34	US-PGPUB; USPAT	OR	OFF	2006/02/10 15:19
S40	119	S39 and (transducer $4speaker exciter)	US-PGPUB; USPAT	OR	OFF	2006/02/10 15:20
S41	167	"bending wave" and (cone piston$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/10 17:13
S42	128	"bending wave" and (cone piston$2) and ($4speaker tarnsducer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/10 17:13
S43	137538	(flat panel planar) near3 (diaphragm vibrating plate)	US-PGPUB; USPAT	OR	OFF	2006/02/18 15:28
S44	1006	"381"/$.ccls. and (flat panel planar) near3 (diaphragm vibrating plate)	US-PGPUB; USPAT	OR	OFF	2006/02/18 15:02

EAST Search History

S45	105	381/152.ccls. and (flat panel planar) near3 (diaphragm vibrating plate)	US-PGPUB; USPAT	OR	OFF	2006/02/18 15:17
S46	165	381/431.ccls. and (flat panel planar) near3 (diaphragm vibrating plate)	US-PGPUB; USPAT	OR	OFF	2006/02/18 15:17
S47	121	S46 not S45	US-PGPUB; USPAT	OR	OFF	2006/02/18 15:28
S48	3	(("3356796") or ("4234766") or ("4580015")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/18 15:50
S49	24	("1852415" | "2469773" | "2642028" | "2756281" | "2770681" | "3356796" | "3462559" | "3835256" | "4013846").PN. OR ("4234766").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/18 15:40
S50	852	"381"/$.ccls. and "bending"	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:38
S51	487	"381"/$.ccls. and "bending" same (resonator vibrat$3 wave panel plate board flat planar)	US-PGPUB; USPAT	OR	OFF	2006/02/20 09:13
S52	488	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave panel plate board flat planar)	US-PGPUB; USPAT	OR	OFF	2006/02/19 21:52
S53	486	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave panel plate board flat planar) not "new transducer limited".asn.	US-PGPUB; USPAT	OR	OFF	2006/02/19 21:53
S54	415	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave panel plate board flat planar) not "new transducers limited".asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 02:17
S55	437	S50 not S54	US-PGPUB; USPAT	OR	OFF	2006/02/19 23:59
S56	3	(("6888946") or ("4914750") or ("6411723")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:24
S57	1	slab.asn. and $4speaker	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:25
S58	359	(lock corey jones waterman).in. and $4speaker	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:25
S59	75	(lock corey jones waterman).in. and $4speaker and (vehicle automo$4 car truck van)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:27

EAST Search History

S60	37	(lock corey jones waterman).in. and $4speaker and (vehicle automo$4 car truck van) and $4board	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:29
S61	71	("1273549" | "1500331" | "1768473" | "1778084" | "2063945" | "2716462" | "2815823" | "2863520" | "2956538" | "3111187" | "3247925" | "3347335" | "3578921" | "3603427" | "3767005" | "3829623" | "3848090" | "4013846" | "4190746" | "4198550" | "4225757" | "4252211" | "4272653" | "4291205" | "4300655" | "4322583" | "4323737" | "4352961" | "4379952" | "4385210" | "4426556" | "4514599" | "4517416" | "4550228" | "4675907" | "4783824" | "4899390" | "4997058" | "5025474" | "5073946" | "5102729" | "5231672" | "5594804" | "6031926" | "6144746" | "6169809" | "6181799" | "6188775" | "6192136" | "6198831" | "6201878" | "6215881" | "D415764" | "D416907" | "D420005").PN. OR. ("6411723").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 00:29
S62	0	S61 and (lock corey jones waterman).in.	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:29
S63	5	S61 and (vehicle automo$4 car truck van)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:29
S64	200	"381"/$.ccls. and "bending" and (vehicle automo$4 car truck van)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:39
S65	99	"381"/$.ccls. and "bending" and (vehicle automo$4 car truck van) and (adhes$2)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:39
S66	99	"381"/$.ccls. and "bending" and (vehicle automo$4 car truck van) and (adhes$2) not ("new trasducers limited").asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:40
S67	85	"381"/$.ccls. and "bending" and (vehicle automo$4 car truck van) and (adhes$2) not ("new transducers limited").asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:46
S68	24	"381"/$.ccls. and "bending" and (vehicle automo$4 car truck van) and (glue) not ("new transducers limited").asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:47
S69	2	(("4551849") or ("4514599")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:48
S70	0	S69 and (glue adhes$3)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:47
S71	460	$4speaker near5 (car truck van automo$4 vehicle) and (adhes$3 epoxy glue)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:54

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S72	51	$4speaker near5 (car truck van automo$4 vehicle) near15 (adhes$3 epoxy glue)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:49
S73	33	("2761913" | "3268672" | "3430007" | "3449531" | "3567870" | "3718779" | "3861495" | "3983337" | "3993345" | "4300022" | "4354067" | "4499340" | "4514599").PN. OR ("4551849").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 00:54
S74	4	"bending wave" near5 (car truck van automo$4 vehicle)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:54
S75	13	("3247925" | "3347335" | "4326100" | "4392027" | "4514599" | "4807294" | "5094316" | "5901231").PN. OR ("6324294").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 00:58
S76	1843	$4speaker and dashboard	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:59
S77	319	$4speaker and dashboard and (epoxy glue adhes$3)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:59
S78	301	$4speaker and dashboard and (glue adhes$3)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:59
S79	80	$4speaker and dashboard and (glue)	US-PGPUB; USPAT	OR	OFF	2006/02/20 01:04
S80	0	$4speaker same dashboard same (glue)	US-PGPUB; USPAT	OR	OFF	2006/02/20 00:59
S81	4	$4speaker same dashboard and $4speaker same (glue)	US-PGPUB; USPAT	OR	OFF	2006/02/20 01:08
S82	4	("4410064" | "4657108" | "5693916" | "6427016").PN. OR ("6676879").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 01:05
S83	8	("3247925" | "3347335" | "3509290").PN. OR ("6427016").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 01:06
S84	9781	(S77 S78 S53 "80" S53 S57) and airplane	US-PGPUB; USPAT	OR	OFF	2006/02/20 01:08
S85	32	(S77 S78 S79 S82 S83) and airplane	US-PGPUB; USPAT	OR	OFF	2006/02/20 01:10

EAST Search History

S86	19	(S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S82 S83) and airplane and ceiling	US-PGPUB; USPAT	OR	2006/02/20 01:11
S87	19	(S50 S51 S52 S53 S54 S55 S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S82 S83) and airplane and ceiling	US-PGPUB; USPAT	OR	2006/02/20 01:12
S88	300	(S50 S51 S52 S53 S54 S55 S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S82 S83) and ceiling	US-PGPUB; USPAT	OR	2006/02/20 01:12
S89	101	S88 and bending	US-PGPUB; USPAT	OR	2006/02/20 01:16
S90	16	S88 and bending and ceiling adj2 tile	US-PGPUB; USPAT	OR	2006/02/20 01:16
S91	161	bending and ceiling adj2 tile	US-PGPUB; USPAT	OR	2006/02/20 01:17
S92	14	"bending wave" and ceiling adj2 tile	US-PGPUB; USPAT	OR	2006/02/20 01:17
S93	30	"bending wave" and ceiling	US-PGPUB; USPAT	OR	2006/02/20 01:17
S94	16	S93 not S92	US-PGPUB; USPAT	OR	2006/02/20 01:21
S95	132	"381"/$.ccls. and "bending wave"	US-PGPUB; USPAT	OR	2006/02/20 01:22
S96	62	"381"/$.ccls. and "bending wave" not (new adj transducer$1 adj limited). asn.	US-PGPUB; USPAT	OR	2006/02/20 01:30
S97	70	S95 not S96	US-PGPUB; USPAT	OR	2006/02/20 01:30
S98	19	("3430007" | "3801943" | "4256930" | "4359133" | "4384174" | "4465905" | "4506117" | "4514599" | "4665550" | "4720868" | "4914750" | "4926486" | "6192136" | "6208237" | "6332029").PN. OR ("661 8487").URPN.	US-PGPUB; USPAT; USOCR	OR	2006/02/20 01:31
S99	19	("3430007" | "3801943" | "4256930" | "4359133" | "4384174" | "4465905" | "4506117" | "4514599" | "4665550" | "4720868" | "4914750" | "4926486" | "6192136" | "6208237" | "6332029").PN. OR ("6618487").URPN.	US-PGPUB; USPAT; USOCR	OR	2006/02/20 01:35

EAST Search History

S10 0	10	("3449531" | "3636281" | "3728497" | "4506117" | "4675907" | "5546469" | "6192136" | "6332029" | "6618487").PN. OR ("6965679").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/20 01:37
S10 1	79	"381"/$.ccls. and new adj transducer$1 adj limited.asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 01:37
S10 2	415	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave panel plate board flat planar) not "new transducers limited".asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 02:17
S10 3	401	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave panel plate board flat planar) not (new adj transducer$1adj limited).asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 02:47
S10 4	32	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave panel plate board flat planar) not (new adj transducer$1adj limited).asn. and bending same (vehicle car automo$4 truck van airplane box chair sear furniture painting display card monitor screen)	US-PGPUB; USPAT	OR	OFF	2006/02/20 02:49
S10 5	22	"381"/$.ccls. and "bending" same (resonat$3 vibrat$3 wave) not (new adj transducer$1adj limited).asn. and bending same (vehicle car automo$4 truck van airplane box chair sear furniture painting display card monitor screen)	US-PGPUB; USPAT	OR	OFF	2006/02/20 02:49
S10 6	4	("2001/0055403").URPN.	USPAT	OR	OFF	2006/02/20 03:15
S10 7	235	"381"/$.ccls. and "bending" same (resonator vibrat$3 wave) same (panel plate diaphragm flat planar)	US-PGPUB; USPAT	OR	OFF	2006/02/20 03:19
S10 8	197	"381"/$.ccls. and "bending" same (resonator vibrat$3 wave) same (panel plate diaphragm flat planar) and (exciter $4speaker)	US-PGPUB; USPAT	OR	OFF	2006/02/20 03:20
S10 9	129	"381"/$.ccls. and "bending" same (resonator vibrat$3 wave) same (panel plate diaphragm flat planar) and (exciter $4speaker) not (new adj transducer$1adj limited).asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 03:20
S11 0	131	"381"/$.ccls. and "bending" same (resonator vibrat$3 wave) same (panel plate diaphragm flat planar) and (exciter $4speaker) not (new adj transducer$1 adj limited).asn.	US-PGPUB; USPAT	OR	OFF	2006/02/20 03:39
S11 1	1	("5499707").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 03:39